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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

EE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT **(\$)** **65.00**

Complete if Known	
Application Number	10/701,250
Filing Date	November 4, 2003
First Named Inventor	David J. Beebe et al.
Examiner Name	Not Yet Assigned
Group Art Unit	1744
Attorney Docket No.	282.032

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																													
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account Deposit Account Number 50-1170 Deposit Account Name Boyle Fredrickson Newholm Stein & Gratz S.C.		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051 65 Surcharge – late filing fee or oath</td> <td>65</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052 25 Surcharge – late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053 130 Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812 2,520 For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804 920* Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805 1,840* Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251 55 Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252 210 Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253 475 Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254 740 Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255 1,005 Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401 165 Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402 165 Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403 145 Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451 1,510 Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452 55 Petition to revive – unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453 665 Petition to revive – unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501 665 Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502 240 Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503 320 Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460 130 Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807 50 Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806 180 Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021 40 Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810 385 For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801 385 Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802 900 Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="4">Other fee (specify)</td> </tr> <tr> <td colspan="2">** or number previously paid, if greater; For Reissues, see above</td> <td colspan="2">SUBTOTAL (3) (\$65.00)</td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> </tr> <tr> <td colspan="2">SUBMITTED BY</td> <td colspan="2">Complete (if applicable)</td> </tr> <tr> <td>Name (Print/Type)</td> <td>Peter C. Stomma</td> <td>Registration No. (Attorney/Agent)</td> <td>36,020</td> </tr> <tr> <td>Signature</td> <td colspan="3">8/19/04</td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee Paid	1051	130	2051 65 Surcharge – late filing fee or oath	65	1052	50	2052 25 Surcharge – late provisional filing fee or cover sheet		1053	130	1053 130 Non-English specification		1812	2,520	1812 2,520 For filing a request for ex parte reexamination		1804	920*	1804 920* Requesting publication of SIR prior to Examiner action		1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action		1251	110	2251 55 Extension for reply within first month		1252	420	2252 210 Extension for reply within second month		1253	950	2253 475 Extension for reply within third month		1254	1,480	2254 740 Extension for reply within fourth month		1255	2,010	2255 1,005 Extension for reply within fifth month		1401	330	2401 165 Notice of Appeal		1402	330	2402 165 Filing a brief in support of an appeal		1403	290	2403 145 Request for oral hearing		1451	1,510	1451 1,510 Petition to institute a public use proceeding		1452	110	2452 55 Petition to revive – unavoidable		1453	1,330	2453 665 Petition to revive – unintentional		1501	1,330	2501 665 Utility issue fee (or reissue)		1502	480	2502 240 Design issue fee		1503	640	2503 320 Plant issue fee		1460	130	1460 130 Petitions to the Commissioner		1807	50	1807 50 Processing fee under 37 CFR 1.17(q)		1806	180	1806 180 Submission of Information Disclosure Stmt		8021	40	8021 40 Recording each patent assignment per property (times number of properties)		1809	770	2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))		1810	770	2810 385 For each additional invention to be examined (37 CFR § 1.129(b))		1801	770	2801 385 Request for Continued Examination (RCE)		1802	900	1802 900 Request for expedited examination of a design application		Other fee (specify)				** or number previously paid, if greater; For Reissues, see above		SUBTOTAL (3) (\$65.00)		*Reduced by Basic Filing Fee Paid				SUBMITTED BY		Complete (if applicable)		Name (Print/Type)	Peter C. 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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain and retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Please type a plus sign (+) inside this box

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/701,250
		Filing Date	11/4/2003
		First Named Inventor	Beebe et al.
		Group Art Unit	1744
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	2	Attorney Docket Number	282.032

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input checked="" type="checkbox"/> Drawing(s) – five sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard Check for \$65.00 Declaration and Power of Attorney – 3 sheets
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Peter C. Stomma Boyle Fredrickson Newholm Stein & Gratz, S.C. 250 East Wisconsin Avenue, Suite 1030 Milwaukee, WI 53202		
Signature			
Date	8/19/04		

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop, Box Missing Parts – Fee Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date.

8/19/04

Type or printed name	Christine Kierzek		
Signature		Date	8-19-04

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:)
DAVID J. BEEBE ET AL.)
Serial No.: 10/701,250)
Filed: November 4, 2003)
Examiner: Not Yet Assigned)
Art Unit: 1744)
BIOCHEMICAL SIGNAL TRANSFER)
USING LIPOSOMES IN A CHANNEL)
OF A MICROFLUIDIC DEVICE)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop -Box Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 19, 2004.

Christine Kierzek 8-19-04
Christine Kierzek Date

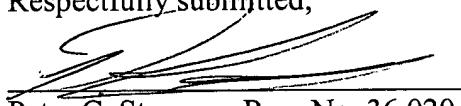
SUBMISSION OF FORMAL DRAWINGS

Mail Stop – Box Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed please find five (5) sheets of formal drawings for the above-identified patent application.

Respectfully submitted,


Peter C. Stomma, Reg. No. 36,020

Dated: 8/19/04
Boyle Fredrickson Newholm Stein & Gratz, S.C.
250 Plaza, Suite 1030
250 East Wisconsin Avenue
Milwaukee, WI 53202
Telephone: (414) 225-9755
Facsimile: (414) 225-9753
Docket No.: 282.032

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of:

DAVID J. BEEBE ET AL.

Serial No.: 10/701,250

Filed: November 4, 2003

Examiner: Not Yet Assigned

Art Unit: 1744

BIOCHEMICAL SIGNAL TRANSFER
USING LIPOSOMES IN A CHANNEL
OF A MICROFLUIDIC DEVICE**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop, Box Missing Parts – Fee, Assistant Commissioner, for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 8-19-04.

Christine Kierzek 8-19-04
Christine Kierzek Date

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Mail Stop - Box Missing Parts -Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice to File Missing Parts of Application, Filing Date Granted, mailed June 22, 2004, in the above-captioned application, applicant submits the following:

- 1) Copy of Notice to File Missing Parts of Nonprovisional Application;
- 2) Response to File Missing Parts;
- 3) Declaration and Power of Attorney;
- 4) Submission of Formal Drawings –
- 5) Five (5) sheets of formal drawings – Figs. 1-4;
- 6) Check in the amount of \$65.00; and
- 7) Return Postcard.

U.S. Serial No.: 10/820,924
Inventor: Edmund W. Brown
Page 2

The Director is hereby authorized to charge payment of any additional fees associated with this or any other communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted;

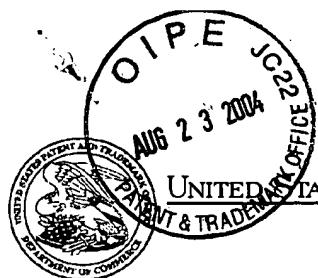


Peter C. Stomma

Registration No. 36,020

Dated: 8/19/04
Boyle Fredrickson Newholm Stein & Gratz, S.C.
250 Plaza, Suite 1030
250 East Wisconsin Avenue
Milwaukee, WI 53202
Telephone: (414) 225-9755
Facsimile: (414) 225-9753
Docket No.: 282.032

JF/K



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/701,250	11/04/2003	David J. Beebe	282.032

Peter C. Stomma
 BOYLE, FREDRICKSON, NEWHOLM, STEIN & GRATZ S.C.
 Suite 1030
 250 E. Wisconsin Avenue
 Milwaukee, WI 53202

CONFIRMATION NO. 6110

FORMALITIES LETTER



OC000000013035330

Date Mailed: 06/22/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

08/24/2004 GWDR001 00000025 10701250

FILED UNDER 37 CFR 1.53(b)

01 FC:2051

65.00 OP

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
 - The drawings must be reasonably free from erasures and must be free from alterations, overwriting, interlineations, folds, and copy marks. See Figure(s) 1-4.
 - The drawings must be made on paper that has a white background (see 37 CFR 1.84 (e)). For example, drawings on graph paper, lined paper, or paper that has a non-white background are not acceptable. See Figure(s) 2a.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$65** for a Small Entity

- **\$65** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Meaza W
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE